

Amendments to the Claims:

Please cancel Claims 12 – 19 without prejudice or disclaimer.

Please add new Claims 20 - 22.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Original) A filament coating apparatus comprising:

- a frame for releasably securing a filament;
- a carriage mounted on said frame to oscillate between a first position and a second position;
- a first filament holding fixture mounted on said carriage;
- a second filament holding fixture mounted on said carriage in axial alignment with said first filament holding fixture to secure a measured filament portion including a bare portion thereof, located inside a first boundary and a second boundary, between said first filament holding fixture and said second filament holding fixture;
- at least one spray head attached to said frame at said first position;
- at least one radiation source attached to said frame at said second position, said measured filament portion moving between said spray head and said radiation source, during oscillation of said carriage between said first position and said second position to place said bare portion to receive a curable coating composition from said spray head, for application from said first boundary to said second boundary, and thereafter to cure said curable coating by exposure to radiation from said radiation source.

Claim 2. (Original) The filament coating apparatus of claim 1, wherein the filament is an optical fiber.

Claim 3. (Original) An apparatus for coating a filament comprising:

- a filament organizer having an extended filament between a lockable spool and a rotary spool, said extended filament having a measured filament portion and a bare filament portion;
- a frame adapted for releasable connection to said filament organizer;
- at least one spray head attached to said frame;
- at least one radiation source attached to said frame, said filament organizer having adjustable movement over a distance equal to the length of said measured portion to position at least said bare portion of said filament for applying a curable coating composition thereto by said spray head and thereafter to cure said curable coating composition by exposure to radiation from said radiation source.

Claim 4. (Original) The apparatus of claim 3, wherein said filament organizer further includes a support having a first surface opposite a second surface and at least a pair of through holes, said lockable spool and said rotary spool being attached adjacent to said first surface.

Claim 5. (Original) The apparatus of claim 4, wherein said frame further includes a carriage movably mounted on said frame for adjustable oscillatory movement in said distance, said carriage including at least a pair of studs for releasably mating with said at least a pair of through holes of said support to position said filament organizer on said carriage, to align said extended filament for application of said curable coating by said spray head and curing of said curable coating by said radiation source.

Claim 6. (Original) The apparatus of claim 5 wherein said carriage has a first arrangement to place said filament organizer at a first angle to said spray head and said radiation source, said carriage further has a second arrangement to place said filament organizer at a second angle to said spray head and said radiation source such that said filament organizer transitions between said first angle and said second angle for coating around the circumference of a filament.

Claim 7. (Original) The apparatus of claim 3 including a plurality of spray heads and radiation sources to apply and cure said curable coating composition to cover the surface around the circumference of a filament.

Claim 8. (Original) The apparatus of claim 3 wherein said spray head is an ink jet spray head.

Claim 9. (Original) The apparatus of claim 3 wherein said spray head is an ultrasonic atomizer spray head.

Claim 10. (Original) The apparatus of claim 9 wherein said ultrasonic atomizer spray head includes a deflector for changing the direction of droplets released from said ultrasonic atomizer spray head.

Claim 11. (Original) The apparatus of claim 10 wherein said deflector is an air knife deflector including an air entry and an air exit slot that provides an air stream for changing the direction of droplets released from said ultrasonic atomizer spray head.

Claims 12 - 19. (Cancelled)

Claim 20. (New) An apparatus for coating a filament comprising:

- a filament organizer having an extended filament between a lockable spool and a rotary spool, said filament organizer further including a support having a first surface opposite a second surface and at least a pair of through holes, said lockable spool and said rotary spool being attached adjacent to said first surface, said extended filament having a measured filament portion and a bare filament portion;

- a frame adapted for releasable connection to said filament organizer;

- at least one spray head attached to said frame;

- at least one radiation source attached to said frame, said filament organizer having adjustable movement over a distance equal to the length of said measured portion to position at least said bare portion of said filament for applying a curable coating composition thereto by said spray head and thereafter to cure said curable coating composition by exposure to radiation from said radiation source.

Claim 21. (New) The apparatus of claim 20, wherein said frame further includes a carriage movably mounted on said frame for adjustable oscillatory movement in said distance, said

carriage including at least a pair of studs for releasably mating with said at least a pair of through holes of said support to position said filament organizer on said carriage, to align said extended filament for application of said curable coating by said spray head and curing of said curable coating by said radiation source.

Claim 22. (New) The apparatus of claim 21 wherein said carriage has a first arrangement to place said filament organizer at a first angle to said spray head and said radiation source, said carriage further has a second arrangement to place said filament organizer at a second angle to said spray head and said radiation source such that said filament organizer transitions between said first angle and said second angle for coating around the circumference of a filament.